



BARBERS POINT DEEP DRAFT HARBOR EWA, ISLAND OF OAHU

Project Location. Barbers Point is located on the west coast of the island of Oahu in the Ewa District.

Authorization. The project was authorized under Section 301 of the River and Harbor Act of 1965 (PL 89-298).

Local Sponsor. The local sponsor is the Department of Transportation, State of Hawaii.

Completed Work. The existing harbor was completed in 1985. The general navigation features consist of an offshore entrance channel 3,300 feet long, 450 feet wide, and 42 feet deep; a 38-foot deep inshore channel, 980 feet long, and 450 feet wide - flaring to 650 feet over the last 200 feet; a 92-acre inshore basin, 38 feet deep; and, 4,600 feet of wave absorber structures. The harbor also incorporates a 21-foot deep barge basin which was constructed in 1961 by the Estate of James Campbell. Total cost of the deep-draft harbor was \$63,600,500 (federal: \$55,300,500; non-federal: \$8,300,000).

The State Department of Transportation envisioned construction of port facilities at Barbers Point Harbor as a time-phased development. To this end - in March 1999 - the State completed dredging an 1,100-foot by 600-foot expansion area in the northeast corner of the harbor to expand their berthing capabilities at a cost of \$14 million. This project was entirely funded by the State of Hawaii since the primary purpose was to increase the available pier space and not for navigation purposes.

Present Status. The State of Hawaii has requested that the harbor be deepened to a maximum depth of 45 feet to accommodate these ships and also that a jetty be constructed to alleviate cross currents at the mouth of the harbor. The proposed project is to modify the existing harbor to service deeper draft vessels than the harbor was designed to accommodate. Cargo movement in the Barbers Point Harbor is hampered by the need for channel and basin improvements to accommodate modern bulk carriers. The proposed federal improvements include a 450-foot long jetty adjacent to the entrance channel and deepening the 92-acre inshore basin to a depth of 45 feet and the entrance channel to 48 feet.

A feasibility study jointly funded by the Corps of Engineers and the State of Hawaii under the authority of Section 301 of the Rivers and Harbors Act of 1965 is currently underway. The feasibility study has included both numerical and physical modeling of the proposed harbor improvements, economic analysis and environmental documentation. Approximate construction cost is \$45,000,000 (federal: \$36,000,000; non-federal: \$9,000,000).

Future Efforts. Complete feasibility phase investigations.